

Table 1.— Preliminary estimates of passage by brood-year (BY) and run for unmarked juvenile Chinook salmon and steelhead trout captured by rotary-screw traps at Red Bluff Diversion Dam (RK391), Sacramento River, CA, for the dates listed below. Results include estimated passage, peak river discharge volume, water temperature, turbidity, and fork length (mm) range in parentheses. A dash (-) indicates that sampling was not conducted on that date.

Date	Discharge volume (cfs) ¹	Water temperature (°C)	Water turbidity (NTU)	Estimated passage				
				BY09 Fall	BY09 Late-fall	BY09 Winter	BY09 Spring	BY09 Steelhead
12/17/09	7,630	9.7	23.4	544,458 (28 – 37)	6,494 (105 – 152)	41,251 (55 – 100)	95,290 (38 – 46)	0 (–)
12/18/09	5,700	10.1	23.4	128,911 (28 – 253)	1,308 (106 – 127)	16,550 (55 – 99)	19,954 (38 – 43)	0 (–)
12/19/09	4,450	10.0	–	–	–	–	–	–
12/20/09	4,190	9.8	–	–	–	–	–	–
12/21/09	4,210	9.8	–	–	–	–	–	–
12/22/09	5,680	8.9	13.5	48,505 (30 – 38)	224 (105 – 151)	1,261 (64 – 91)	5,773 (39 – 51)	0 (–)
12/23/09	5,040	8.2	5.1	67,534 (32 – 38)	778 (112 – 164)	1,640 (61 – 88)	8,103 (39 – 45)	41 (74)
12/24/09	4,330	8.2	2.9	38,811 (29 – 39)	0 (–)	353 (60 – 81)	2,850 (40 – 48)	44 (138)
12/25/09	4,020	8.3	3.0	20,825 (30 – 39)	42 (118)	301 (71 – 102)	727 (40 – 47)	42 (122)
12/26/09	3,970	8.1	–	–	–	–	–	–
12/27/09	3,970	8.2	–	–	–	–	–	–
12/28/09	4,070	8.3	–	–	–	–	–	–
12/29/09	4,040	7.8	2.4	22,742 (31 – 40)	0 (–)	57 (70 – 75)	115 (41 – 49)	0 (–)
12/30/09	4,210	8.0	2.2	13,066 (30 – 40)	28 (174)	28 (57)	169 (41 – 51)	0 (–)
12/31/09	4,520	8.3	3.8	25,649 (30 – 40)	0 (–)	0 (–)	62 (41 – 48)	0 (–)
Biweekly total ²				1,575,214	15,519	107,413	232,238	209
<i>Biweekly Lower 90% Confidence Interval</i>				-660,319	-9,512	-50,958	-107,906	-73
<i>Biweekly Upper 90% Confidence Interval</i>				3,810,747	40,550	265,784	572,382	491
Brood-year total				1,594,507	223,537	4,430,719	287,342	129,869
<i>Brood-year Lower 90% Confidence Interval</i>				338,350	98,967	2,574,131	71,257	65,026
<i>Brood-year Upper 90% Confidence Interval</i>				2,463,165	348,106	6,287,307	490,874	194,713

¹ Peak daily discharge values do not account for diversions at RBDD and only represent peak flows registered at the Bend Bridge Gauging station (<http://cdec2.water.ca.gov/cgi-progs/queryFx?bnd>).

² Biweekly totals may be greater than the sum of the daily estimates presented in this table if sampling was not conducted on each day of the biweekly period. A dash (-) denotes those dates. To estimate daily passage for days that were not sampled, we impute missed sample days with the weekly mean value of days sampled within the week.

